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PTO/SB/08A (10-01)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 4

Complete if Known

Application Number	10/800,136
Filing Date	March 12, 2004
First Named Inventor	Andrew Longacre, Jr.
Art Unit	2876
Examiner Name	Thien Minh Le
Attorney Docket Number	703-006.50.23

U.S. PATENT DOCUMENTS					
Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
184	AA	US-Patent Application No. 11/073,531. Filed March 7, 2005.	03-07-2005	Longacre et al.	
	AB	US-Patent Application No. 10/227,889. Filed August 26, 2002.	03-06-2003	Longacre et al.	
	AC	US-Patent Application No. 10/328,939. Filed December 23, 2002. (Attached is Office Action dated February 9, 2005.)	08-07-2003	Longacre et al.	
	AD	US-Patent Application No. 10/778,466. Filed February 13, 2004.	Filed 02-13-2004	Longacre et al.	
	AE	US-Patent Application No. 10/786,808. Filed February 25, 2004.	Filed 02-25-2004	Longacre et al.	
	AF	US-Patent Application No. 10/786,984. Filed February 25, 2004.	Filed 02-25-2004	Longacre et al.	
	AG	US-Patent Application No. 10/793,423. Filed March 4, 2004.	Filed 03-04-2004	Longacre et al.	
	AH	US-Patent Application No. 10/800,136. Filed March 12, 2004.	Filed 03-12-2004	Longacre et al.	
	AI	US-Patent Application No. 10/801,937. Filed March 18, 2004. (Attached is Office Action dated April 15, 2005)	Filed 03-16-2004	Longacre et al.	
	AJ	US-Patent Application No. 10/802,539. Filed March 18, 2004. (Attached is Office Action dated April 21, 2005)	Filed 03-16-2004	Longacre et al.	
	AK	US-Patent Application No. 10/887,207. Filed July 8, 2004.	Filed 07-08-2004	Longacre	
	AL	US-Patent Application No. 10/895,536. Filed July 23, 2004.	Filed 07-23-2004	Longacre et al.	
	AM	US-4,654,514	03-31-1987	Watson et al.	
	AN	US-4,721,849	01-26-1988	Davis et al.	
	AO	US-4,731,525	03-15-1988	Hice, John R.	
	AP	US-4,761,544	08-02-1988	Poland, McKee D.	
	AQ	US-4,825,058	04-25-1989	Poland, McKee D.	
	AR	US-4,864,302	09-05-1989	Bowers, Davis L.	
184	AS	US-4,868,375	09-19-1989	Blanford, Denis M.	

Examiner Signature	TILE	Date Considered	6/25/2005
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		Number	Kind Code ² (if known)			
824	AT	US-5,120,943		06-09-1992	Benz, Reiner	
	AU	US-5,185,514		02-09-1993	Wike et al.	
	AV	US-5,274,567		12-28-1993	Kallin et al.	
	AW	US-5,308,966		05-03-1994	Danielson et al.	
	AX	US-5,428,212		08-27-1995	Tani et al.	
	AY	US-5,442,164		08-15-1995	Adachi, Yutaka	
	AZ	US-5,483,214		10-31-1995	Longacre et al.	
	BA	US-5,473,148		12-05-1995	Tanaka et al.	
	BB	US-5,485,369		01-16-1996	Nicholls et al.	
	BC	US-5,488,223		01-30-1996	Austin et al.	
	BD	US-5,491,471		02-13-1996	Stobbe, Anatoli	
	BE	US-5,510,606		04-23-1996	Worthington et al.	
	BF	US-5,539,193		07-23-1996	Gibbs et al.	
	BG	US-5,550,366		08-27-1996	Roustaei, Alexander	
	BH	US-5,594,230		01-14-1997	Walte et al.	
	BI	US-5,600,119		02-04-1997	Dvorkis et al.	
	BJ	US-5,619,192		04-08-1997	Ayala, Raymond F.	
	BK	US-5,621,203		04-15-1997	Swartz et al.	
	BL	US-5,635,897		06-03-1997	Shellhammer et al.	
	BM	US-5,640,193		06-17-1997	Wellner, Pierre David	
824	BN	US-5,672,858		09-30-1997	Li et al.	
	BO	US-5,726,435		03-10-1998	Hara et al.	
	BP	US-5,739,518		04-14-1998	Wang, Ynjiun P.	
	BQ	US-5,756,981		05-26-1998	Roustaei et al.	
	BR	US-5,773,806		06-30-1998	Longacre, Jr., Andrew	
	BS	US-5,805,779		09-08-1998	Christopher et al.	
	BT	US-5,818,528		10-06-1998	Roth et al.	
	BU	US-5,821,523		10-13-1998	Bunte et al.	
	BV	US-5,825,006		10-20-1998	Longacre et al.	
	BW	US-5,834,749		11-10-1998	Durbin, Dennis A.	
824	BX	US-5,837,986		11-17-1998	Barile et al.	
	BY	US-5,837,987		11-17-1998	Koenck et al.	
	BZ	US-5,874,722		02-23-1999	Rando et al.	
	CA	US-5,900,613		05-04-1999	Koziol et al.	
	CB	US-5,932,862		08-03-1999	Hussey et al.	
	CC	US-5,965,863		10-12-1999	Parker et al.	

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		Number Kind Code ² (if known)			
	CD	US-5,979,757	11-09-1999	Tracy et al.	
	CE	US-6,011,880	01-04-2000	Tani et al.	
	CF	US-6,015,088	01-18-2000	Parker et al.	
	CG	US-6,064,783	05-16-2000	Maltsev, Pavel A.	
	CH	US-6,070,800	08-08-2000	Fujita et al.	
	CI	US-6,082,619	07-04-2000	Ma et al.	
	CJ	US-6,112,992	09-05-2000	Agabra et al.	
	CK	US-6,129,276	10-10-2000	Jelen et al.	
	CL	US-6,144,848	11-07-2000	Walsh et al.	
	CM	US-6,176,428	01-23-2001	Joseph et al.	
	CN	US-6,176,429	01-23-2001	Reddersen et al.	
	CO	US-6,286,760	09-11-2001	Schmidt et al.	
	CP	US-6,293,466	09-25-2001	Fujita et al.	
	CQ	US-6,325,283	12-04-2001	Chu et al.	
	CR	US-6,377,249	04-23-2002	Mumford, John R.	
	CS	US-6,398,112	08-04-2002	Li et al.	
	CT	US-6,411,189	06-25-2002	Geiszler et al.	
	CU	US-6,412,699	07-02-2002	Russell et al.	
	CV	US-6,424,407	07-23-2002	Kinrot et al.	
	CW	US-6,452,179	09-17-2002	Coates et al.	
	CX	US-6,491,223	12-10-2002	Longacre et al.	
	CY	US-6,505,778	01-14-2003	Reddersen et al.	
	CZ	US-6,508,404	01-21-2003	Hecht, Kurt	
	DA	US-6,527,179	03-04-2003	Itoh et al.	
	DB	US-6,565,003	05-20-2003	Ma, Yue	
	DC	US-6,565,005	05-20-2003	Wilz et al.	
	DD	US-6,608,171	08-12-2003	Renk et al.	
	DE	US-6,672,511	01-06-2004	Shellhammer, Stephen J.	
	DF	US-6,678,412	01-13-2004	Shigekusa et al.	
	DG	US-6,685,095	02-03-2004	Roustael et al.	
	DH	US-6,698,656	03-02-2004	Parker et al.	
	DI	US-6,708,883	03-23-2004	Krichever, Mark	
	DJ	US-6,722,569	04-20-2004	Ehrhart et al.	
	DK	US-6,741,335	05-25-2004	Kinrot et al.	
	DL	US-6,751,352	06-15-2004	Baharav et al.	
	DM	US-6,761,317	07-13-2004	Knowles et al.	

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Application Number	10/800,136
Filing Date	March 12, 2004
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	DN	US-6,766,954	07-27-2004	Barkan et al.	
	DO	US-6,827,273	12-07-2004	Wilz et al.	
	DP	US-2003/0042311	03-06-2003	Longacre, Andrew et al.	
	DQ	US-2003/0085282	05-08-2003	Parker et al.	
	DR	US-2003/0146283	08-07-2003	Longacre et al.	
	DS	US-2003/0218067	11-27-2003	Parker et al.	
	DT	US-2004/0004128	01-08-2004	Pettinelli et al.	
	DU	US-2004/0258465	12-23-2004	Longacre, Andrew Jr.	
	DV	US-2004/0262393	12-30-2004	Hara, Masahiro et al.	
	DW	US-2004/0262395	12-30-2004	Longacre, Andrew Jr.	
	DX	US-2004/0262396	12-30-2004	Longacre, Andrew Jr.	
	DY	US-2004/0262399	12-30-2004	Longacre, Andrew Jr.	
	DZ	US-2005/0011856	01-20-2005	Carlson, Bradley S.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
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								<input type="checkbox"/>

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10/800	EA	US-3,582,884	08-08-1971	Shepard	
	EB	US-3,663,762	05-18-1972	Joel, Jr.	
	EC	US-3,684,868	08-15-1972	Christie et al.	
	ED	US-3,723,970	03-27-1993	Stoller	
	EE	US-3,908,168	09-16-1975	Cooper et al.	
	EF	US-4,004,237	01-18-1977	Kratzer	
	EG	US-4,041,391	08-09-1977	Deerkoski	
	EH	US-4,097,847	06-27-1978	Forsen et al.	
	EI	US-4,114,155	09-12-1978	Raab	
	EJ	US-4,164,628	08-14-1979	Ward et al.	
	EK	US-4,210,802	07-01-1980	Sakai	
	EL	US-4,291,410	09-22-1981	Caples et al.	
	EM	US-4,315,245	02-09-1982	Nakahara et al.	
	EN	US-4,435,822	03-06-1984	Spencer et al.	
	EO	US-4,445,118	04-24-1984	Taylor et al.	
	EP	US-4,488,678	12-18-1984	Hara et al.	
	EQ	US-4,488,679	12-18-1984	Bockholt et al.	
	ER	US-4,500,778	02-19-1985	Laser	
	ES	US-4,538,060	08-27-1985	Sakai et al.	
	ET	US-4,542,528	09-17-1985	Sanner et al.	
	EU	US-4,561,089	12-24-1985	Rouse et al.	
	EV	US-4,610,359	09-09-1986	Muller	
	EW	US-4,628,532	12-09-1986	Stone et al.	
	EX	US-4,636,624	01-13-1987	Ishida et al.	
	EY	US-4,639,932	01-27-1987	Schiff	
	EZ	US-4,644,523	02-17-1987	Horwitz	
	FA	US-4,646,353	02-24-1987	Tenge et al.	
	FB	US-4,653,076	03-24-1987	Jerrim et al.	
	FC	US-4,688,363	08-11-1987	Schoon	
	FD	US-4,690,530	09-01-1987	Fujino et al.	
	FE	US-4,710,817	12-01-1987	Ando	
	FF	US-4,570,057	02-11-1988	Chadima, Jr., et al.	
	FG	US-4,785,463	11-15-1988	Janc et al.	
	FH	US-4,791,446	12-13-1988	Ishida et al.	
	FI	US-4,807,256	02-21-1989	Holmes et al.	
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✓	FK	US-4,841,544	08-20-1989	Nuytkens	
	FL	US-4,877,949	10-31-1998	Danielson et al.	
	FM	US-4,901,073	02-13-1990	Kibrick	
	FN	US-4,908,500	03-13-1990	Baumberger	
	FO	US-4,942,474	07-17-1990	Akimoto et al.	
	FP	US-5,019,699	05-28-1991	Koenck	
	FQ	US-5,113,445	05-12-1992	Wang	
	FR	US-5,138,140	08-11-1992	Siemiatkowski et al.	
	FS	US-5,153,421	10-06-1992	Tandon et al.	
	FT	US-5,212,777	05-18-1993	Gove et al.	
	FU	US-5,245,695	09-14-1993	Basehore	
	FV	US-5,262,871	11-16-1993	Wilder et al.	
	FW	US-5,286,960	02-15-1994	Longacre, Jr. et al.	
	FX	US-5,294,783	03-15-1994	Hammond, Jr. et al.	
	FY	US-5,311,001	05-10-1994	Joseph et al.	
	FZ	US-5,319,185	06-07-1994	Obata	
	GA	US-5,331,176	06-19-1994	Sant' Anselmo et al.	
	GB	US-5,345,266	09-06-1994	Denyer	
	GC	US-5,354,977	10-11-1994	Roustael	
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	GG	US-5,401,949	03-28-1995	Zlemack et al.	
	GH	US-5,414,251	05-09-1995	Durbin	
	GI	US-5,420,409	05-30-1995	Longacre, Jr. et al.	
	GJ	US-5,430,286	07-04-1995	Hammond, Jr. et al.	
	GK	US-5,461,425	10-24-1995	Fowler et al.	
	GL	US-5,471,515	11-28-1995	Fossum et al.	
	GM	US-5,471,592	11-28-1995	Gove et al.	
	GN	US-5,478,997	12-26-1995	Bridgelall et al.	
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	GP	US-5,521,366	05-28-1996	Wang et al.	
	GQ	US-5,537,431	07-16-1996	Chen et al.	
	GR	US-5,545,886	08-13-1996	Metitsky et al.	
	GS	US-5,572,006	11-05-1996	Wang et al.	
✓	GT	US-5,585,616	12-17-1996	Roxby et al.	

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T. L. E.

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Sheet 3 of 5

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Application Number	10/800,136
Filing Date	March 12, 2004
First Named Inventor	Andrew Longacre, Jr.
Art Unit	2876
Examiner Name	Thien Minh Le
Attorney Docket Number	703-006.50.23

U.S. PATENT DOCUMENTS

Examiner	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
[Signature]	GU	US-5,591,956	01-07-1997	Longacre, Jr. et al.	
	GV	US-5,598,007	01-28-1997	Bunce et al.	
	GW	US-5,610,387	03-11-1997	Bard et al.	
	GX	US-5,663,549	09-02-1997	Katz et al.	
	GY	US-5,665,959	09-09-1997	Fossum et al.	
	GZ	US-5,668,803	09-16-1997	Tymes et al.	
	HA	US-5,703,349	12-30-1997	Meyerson et al.	
	HB	US-5,723,823	03-03-1998	Bell	
	HC	US-5,723,853	03-03-1998	Longacre, Jr. et al.	
	HD	US-5,723,868	03-03-1998	Hammond, Jr. et al.	
	HE	US-5,774,357	06-30-1998	Hoffberg et al.	
	HF	US-5,780,834	07-14-1998	Havens et al.	
	HG	US-5,784,102	07-21-1998	Hussey et al.	
	HH	US-5,814,803	09-29-1998	Olmstead et al.	
	HI	US-5,831,254	11-03-1998	Karpen et al.	
	HJ	US-5,831,674	11-03-1998	Ju et al.	
	HK	US-5,841,121	11-24-1998	Koenck	
	HL	US-5,841,126	11-24-1998	Fossum et al.	
	HM	US-5,875,108	02-23-1999	Hoffberg et al.	
	HN	US-5,877,487	03-02-1999	Tani et al.	
[Signature]	HO	US-5,917,171	06-29-1999	Sasai	
	HP	US-5,920,477	07-06-1999	Hoffberg et al.	
	HQ	US-5,928,214	07-20-1999	Denyer et al.	
	HR	US-5,929,418	07-27-1999	Ehrhart et al.	
	HS	US-5,949,052	09-07-1999	Longacre, Jr. et al.	
	HT	US-5,949,054	09-07-1999	Karpen et al.	
	HU	US-5,949,056	09-07-1999	White	
	HV	US-5,979,768	11-09-1999	Koenck	
	HW	US-5,984,186	11-16-1999	Tafoya	
	HX	US-5,986,297	11-16-1999	Guidash et al.	
[Signature]	HY	US-6,003,008	12-14-1999	Postrel et al.	
	HZ	US-6,017,496	01-25-2000	Nova et al.	
	IA	US-6,119,179	09-12-2000	Whitridge et al.	
	IB	US-6,123,264	09-26-2000	Li et al.	
	IC	US-6,155,488	12-05-2000	Olmstead et al.	
	ID	US-6,155,491	12-05-2000	Dueker et al.	

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Application Number	10/800,136
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First Named Inventor	Andrew Longacre, Jr.
Art Unit	2876
Examiner Name	Thien Minh Le
Attorney Docket Number	703-006.50.23

U.S. PATENT DOCUMENTS

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✓	IE	US-6,161,760	12-19-2000	Marrs et al.	
	IF	US-6,170,749 B1	01-09-2001	Goren et al.	
	IG	US-6,176,429	01-23-2001	Reddersen et al.	
	IH	US-6,186,404	02-13-2001	Ehrhart et al.	
	II	US-6,215,992 B1	04-10-2001	Howel et al.	
	IJ	US-6,264,105	07-24-2001	Longacre, Jr. et al.	
	IK	US-6,276,605	08-21-2001	Olmstead et al.	
	IL	US-6,329,139 B1	12-11-2001	Nova et al.	
	IM	US-6,347,163 B2	02-12-2002	Roustaei	
	IN	US-6,360,948	03-26-2002	Yang et al.	
	IO	US-6,462,842 B1	10-08-2002	Hamilton	
	IP	US-6,466,911 B1	11-26-2002	Denyer et al.	
	IQ	US-6,493,029 B1	12-10-2002	Denyer et al.	
	IR	US-6,505,778 B1	01-14-2003	Reddersen et al.	
	IS	US-6,512,218	01-28-2003	Canini et al.	
	IT	US-6,547,139 B1	04-15-2003	Havens et al.	
	IU	US-6,547,142 B1	04-15-2003	Goren et al.	
	IV	US-6,552,323	04-22-2003	Guldash et al.	
	IW	US-6,552,746 B1	04-22-2003	Yang et al.	
	IX	US-6,585,159 B1	07-01-2003	Meler et al.	
	IY	US-6,606,171 B1	08-12-2003	Renk et al.	
	IZ	US-6,634,558 B1	12-21-2003	Patel et al.	
	JA	US-6,637,658 B2	04-03-2003	Barber et al.	
	JB	US-6,665,012 B1	12-16-2003	Yang et al.	
	JC	US-6,714,239	03-30-2002	Guldash	
	JD	US-6,732,929 B2	05-11-2004	Good et al.	
	JE	US-6,714,665 B1	03-30-2004	Hanna et al.	
	JF	US-6,736,321 B2	05-18-2004	Tsikos et al.	
	JG	US-6,739,511 B2	05-25-2005	Tsikos et al.	
	JH	US-6,742,707 B1	06-01-2004	Tsikos et al.	
	JI	US-6,732,930 B2	05-11-2004	Massieu et al.	
	JJ	US-6,832,729 B1	12-21-2004	Perry et al.	
	JK	US-6,837,432 B2	01-04-2005	Tsikos et al.	
	JL	US-6,854,649 B2	2-15-2005	Womer et al.	
✓	JM	US-6,857,570 B2	02-22-2005	Tsikos et al.	
	JN	US-6,858,159	02-22-2005	Lyons	

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Application Number	10/800,136
Filing Date	March 12, 2004
First Named Inventor	Andrew Longacre, Jr.
Art Unit	2876
Examiner Name	Thien Minh Le
Attorney Docket Number	703-006.50.23

U.S. PATENT DOCUMENTS

Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
10/	JO	US-6,863,218	03-08-2005	Tsikos et al.	
	JP	US-2002/0158127	10-31-2002	Hori et al.	
	JQ	US-2003/0062418 A1	10-28-2003	Barber et al.	
10/	JR	US-2005/0103851	05-19-2005	Zhu et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
		EP	0 449 634 A2		10/2/1991	OMNIPANAR, INC.		<input type="checkbox"/>
10/	JS	WO	93/14458		7/22/1993	EASTMAN KODAK COMPANY		<input type="checkbox"/>
	JT	WO	93/17397		9/2/1993	Roustael		<input type="checkbox"/>
	JU	WO	95/32580		11/30/1995	POLAROID CORPORATION		<input type="checkbox"/>
	JV	JP	2000-192317 A (Full text Japanese Patent attached with English translation of Abstract only)		3/31/2000	FUJI PHOTO FILM CO., LTD.		
10/	JW	WO	93/18478		9/16/1993	Norand Corp.		
10/	JX	WO	97/08647		3/6/1997	PSC, Inc.		

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Application Number	10/800,136
Filing Date	March 12, 2004
First Named Inventor	Andrew Longacre, Jr.
Art Unit	2876
Examiner Name	Thien Minh Le
Attorney Docket Number	703-006.50.23

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
W	JY	JAKL, Edward A., "Why CMOS Image Sensors are Poised to Surpass CCDs," International IC '99, Conference Proceedings, pp. 64-71.	
	JZ	TIAN, Hu et al., "Analysis of 1/f Noise in Switched MOSFET Circuits," Information Systems Laboratory, Electrical Engineering Department.	
	KA	Stanford University, Stanford, California 94305, 21 pp.	
	KB	EL GAMAL, Professor A., Lecture Notes 1, 2, 4, 5, 6, 7, 10 and Handout #3 and #28, "Image Sensors and Digital Cameras" for EE 392B, Spring 2001.	
W	KC	FOSSUM, ERIC R., CMOS Active Pixel Image Sensors, Nuclear Instruments and Methods in Physics Research A 395 (1997) 291-297.	

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T. L. E

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First Named Inventor	Andrew Longacre, Jr.
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Sheet 1 of 3

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		Number Kind Code ² (if known)			
✓	KD	US-4,794,239	12-27-1988	Allias	
	KE	US-4,874,938	10-17-1989	Chandler et al.	
	KF	US-4,896,029	01-23-1990	Chandler et al.	
	KG	US-4,998,010	03-05-1991	Chandler et al.	
	KH	US-5,153,418	10-08-1992	Batterman et al.	
	KI	US-5,180,904	01-19-1993	Shepard et al.	
	KJ	US-5,189,292	02-23-1993	Batterman et al.	
	KK	US-5,223,701	06-29-1993	Batterman et al.	
	KL	US-5,235,167	08-10-1993	Dvorkis et al.	
	KM	US-5,250,792	10-05-1993	Swartz et al.	
	KN	US-5,266,787	11-30-1993	Mazz et al.	
	KO	US-5,272,323	12-21-1993	Martino	
	KP	US-5,276,400	01-04-1994	Denyer et al.	
	KQ	US-5,278,398	01-11-1994	Pavlidis et al.	
	KR	US-5,304,786	04-19-1994	Pavlidis et al.	
	KS	US-5,304,787	04-19-1994	Wang	
	KT	US-5,324,924	06-28-1994	Cai et al.	
	KU	US-5,343,028	08-30-1994	Figarella et al.	
	KV	US-5,345,266	09-06-1994	Denyer	
	KW	US-5,365,048	11-15-1994	Komiya et al.	
	KX	US-5,347,114	09-13-1994	Tanaka	
	KY	US-5,378,881	01-03-1995	Adachi	
	KZ	US-5,412,197	05-02-1995	Smith	
	LA	US-5,418,862	05-23-1995	Zheng et al.	
	LB	US-5,422,470	06-06-1995	Kubo	
	LC	US-5,422,744	06-06-1995	Katz et al.	
	LD	US-5,428,211	06-27-1995	Zheng et al.	
	LE	US-5,430,283	07-04-1995	Tanaka	
LF	US-5,438,636	08-01-1995	Surka		
LG	US-5,477,042	12-19-1995	Wang		
LH	US-5,478,999	12-26-1995	Figarella et al.		
LI	US-5,487,115	01-23-1996	Surka		
LJ	US-5,489,769	02-06-1996	Kubo		
LK	US-5,504,524	04-02-1996	Lu et al.		
LL	US-5,524,068	06-04-1996	Kacandes et al.		
LM	US-5,525,787	06-11-1996	Kubo		

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Sheet 2 of 3

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Examiner Name	Thien Minh Le
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Jen	LN	US-5,565,669	10-15-1996	Liu	
	LO	US-5,591,955	01-07-1997	Laser	
	LP	US-5,612,524	03-18-1997	Sant'Anselmo et al.	
	LQ	US-5,621,203	04-15-1997	Swartz et al.	
	LR	US-5,637,849	06-10-1997	Wang et al.	
	LS	US-5,659,431	08-19-1997	Ackley	
	LT	US-5,691,773	11-25-1997	Wang et al.	
	LU	US-5,698,833	12-16-1997	Skinger	
	LV	US-5,702,059	12-30-1997	Chu et al.	
	LW	US-5,710,417	01-20-1998	Joseph et al.	
	LX	US-5,714,745	02-03-1998	Ju et al.	
	LY	US-5,717,195	02-10-1998	Feng et al.	
	LZ	US-5,773,810	06-30-1998	Hussey et al.	
	MA	US-5,783,811	07-21-1998	Feng et al.	
	MB	US-5,784,102	7-21-1998	Hussey et al.	
	MC	US-5,814,801	09-29-1998	Wang et al.	
	MD	US-5,818,023	10-06-1998	Meyerson et al.	
	ME	US-5,867,594	02-02-1999	Cymbalski	
	MF	US-5,867,595	02-02-1999	Cymbalski	
	MG	US-5,917,945	06-29-1999	Cymbalski	
	MH	US-5,926,214	07-20-1999	Denyer et al.	
	MI	US-5,942,741	08-24-1999	Longacre, Jr. et al.	
	MJ	US-5,979,763	09-09-1999	Wang et al.	
	MK	US-6,019,286	02-01-2000	Li et al.	
	ML	US-6,053,407	04-25-2000	Wang et al.	
	MM	US-6,067,113	05-23-2000	Hurwitz et al.	
	MN	US-6,129,278	10-10-2000	Wang et al.	
	MO	US-6,014,501	01-11-2000	Fukuda et al.	
	MP	US-6,179,208 B1	01-30-2001	Feng	
	MQ	US-6,264,105 B1	07-24-2001	Longacre, Jr. et al.	
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	MT	US-6,575,387 B1	06-10-2003	Longacre, Jr.	
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² Applicant's unique citation designation number (optional). ³ Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁷ Applicant is to place a check mark here if English language Translation is attached.

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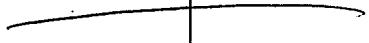

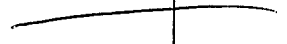
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Sheet 3 of 3

Complete if Known

Application Number	10/800,136
Filing Date	March 12, 2004
First Named Inventor	Andrew Longacre, Jr.
Art Unit	2876
Examiner Name	Thien Minh Le
Attorney Docket Number	703-006.50.23

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ²	Number ³ Kind Code ⁴ (if known)			
	MX	JP	07-049922 Full text JP reference with Full English Translation	02-21-1995		<input type="checkbox"/>
	MY	JP	07-065104 Corresponding US Patent 5,473,148 attached	03-10-1995		<input type="checkbox"/>
						<input type="checkbox"/>

Examiner Signature		Date Considered	10/25/2005
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Art Unit	2876
Examiner Name	Thien Minh Le
Attorney Docket Number	703-006.50.23

Sheet 1 of 1

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
LM	MZ	JP Patent Application 8-159625 Translated Japanese Office Action in the English language, April 18, 2005.	
	NA	ROGER C. PALMER, The Bar Code Book, Second Addition, 1991, Helmers Publishing, Inc., Peterborough, New Hampshire, pgs. 11-108	
	NB	VLSI VISION LTD., High Resolution EIA/CCIR Monochrome Monolithic Camera Specification, VVL-1060, April 1994, pgs. 1-23.	
	NC	VLSI VISION LTD., Serial Interface Specification, VVL-1060, April 1994, pgs. 1-9.	
	ND	VLSI VISION LTD., Engineering Evaluation Kit Specification, VVL-1070, September 27, 1994, pgs. 1-5.	
	NE	MARSHALL ELECTRONICS, Monochrome Monolithic Image Sensor with Analogue and digital Outputs Specification, VVL-1070, pgs. 1-24, believed to be published prior to April 1995.	
	NF	REPORT BY APPLICANTS, Report summarizing references of record in applications of which priority is claimed (Application No. 10/227,889, Application No. 09/651,162, Application No. 09/385,597, Application No. 08/839,020, Application No. 08/697,913, Application No. 08/516,185, application No. 08/504,643 and application No. 08/205,539), June 2005.	
LM	NG	REPORT BY APPLICANTS, Report categorizing references submitted by applicants, June, 2005.	

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Application Number	10/800,136
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Attorney Docket Number	703-006.50.23

U.S. PATENT DOCUMENTS

Examiner	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
[Signature]	NH	US-4,075,481		02-1978	Wu et al.	
	NI	US-4,251,798		02-1981	Swartz et al.	
	NJ	US-4,289,957		09-1981	Neyroud et al.	
	NK	US-4,782,220		11-1988	Shuren	
	NL	US-4,825,057		04-1989	Swartz et al.	
	NM	US-4,835,713		05-1989	Pastor	
	NN	US-4,893,333		01-1990	Baran et al.	
	NO	US-4,973,829		11-1990	Ishida et al.	
	NP	US-5,159,835		10-1992	Wang	
	NQ	US-5,196,686		03-1993	Leister	
	NR	US-5,208,449		05-1993	Eastman et al.	
	NS	US-5,241,164		08-1993	Pavlidis et al.	
	NT	US-5,243,655		09-1993	Wang	
	NU	US-5,247,166		09-1993	Gannon et al.	
	NV	US-5,291,564		03-1994	Shah et al.	

FOREIGN PATENT DOCUMENTS

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		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
[Signature]	NW	EP	0 385 478 A2		09-05-1990	Symbol Technologies, Inc.		<input type="checkbox"/>
	NX	EP	0 385 478 A3		09-05-1990	Symbol Technologies, Inc.		<input type="checkbox"/>
	NY	EP	0 561 334 A2		09-22-1993	Symbol Technologies, Inc.		<input type="checkbox"/>
	NZ	EP	0 571 892 A2		12-01-1993	United Parcel Service of America, Inc.		<input type="checkbox"/>
[Signature]	OA	EP	0 584 559 A2		03-02-1994	United Parcel Service of America, Inc.		

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T. L.

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lty	OB	WELCH ALLYN, Hand Held CCD Scanner/Decoder, SCANTEAM 3000 Instant Interface Series, July 1994, 2pgs.	
lar	OC	SYMBOL EXPRESS, 1995 Product Catalog, January 1995, 4pgs.	

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TICE

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		Number Kind Code ² (if known)			
10/800,136	OD	US-5,241,184	08-31-1993	Pavlidis et al.	[Handwritten line through the column]
	OE	US-5,282,628	11-16-1993	Goren et al.	
	OF	US-5,278,398	01-11-1994	Pavlidis	
	OG	US-5,466,921	11-14-1995	Lapinski et al.	
	OH	US-5,481,103	01-02-1996	Wang	
	OI	US-5,493,108	02-20-1996	Cherry et al.	
	OJ	US-5,495,097	02-27-1996	Katz et al.	
	OK	US-5,510,604	04-23-1996	England	
	OL	US-5,548,107	08-20-1996	Lapinski et al.	
	OM	US-5,548,108	08-20-1996	Moldskred et al.	
10/800,136	ON	US-5,686,715	11-11-1997	Watanabe et al.	[Handwritten line through the column]
	OO	US-5,821,519	10-13-1998	Lee et al.	

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